

## Message Text

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ACTION DOTE-00

INFO OCT-01 ARA-10 ISO-00 EB-07 AID-05 CIAE-00 INR-07

NSAE-00 RSC-01 /031 W

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P R 071914Z FEB 75

FM AMEMBASSY QUITO

TO SECSTATE WASHDC PRIORITY 4356

INFO AMCONSUL GUAYAQUIL

USDOC WASHDC

UNCLAS QUITO 0937

FOR FHWA

E.O. 11652: N/A

TAGS: BEXP, EC

SUBJECT: ROAD-BUILDING EQUIPMENT REQUIRED BY MINISTRY OF PUBLIC  
WORKS

REF: QUITO 0846 AND PREVIOUS

1. FOLLOWING IS SUBSTANCE OF 1975 NATIONAL ROAD-BUILDING  
IMPLEMENTATION PLAN, PREPARED BY MINISTRY OF PUBLIC WORKS  
(MPW) IN NOV 1974, WHICH SHEDS MORE LIGHT ON MINISTRY'S  
EQUIPMENT NEEDS:

2. BACKGROUND: SEVERAL THOUSAND KILOMETERS OF NEW HIGHWAYS ARE  
URGENTLY NEEDED THROUGHOUT ECUADOR. PROGRESS THUS FAR HAS BEEN  
IMPEDED BY LACK OF EQUIPMENT SPARE PARTS AND ACCESSORIES AVAILABLE  
ON LOCAL MARKET DUE TO INSUFFICIENT DELIVERY QUOTAS GRANTED ECUADOR  
BY MANUFACTURERS AS WELL AS LIMITED PURCHASING POWER OF NUMEROUS  
LOCAL CONTRACTORS.

3. IMPLEMENTATION MEANS: PROVINCIAL COUNCILS, (PC), MUST BE GIVEN  
RESOURCES TO COOPERATE IN ROAD BUILDING/MAINTENANCE PROGRAM, ACTING  
AS CONSTRUCTORS UNDER MPW PLANNING. MPW WILL CONTRACT FOR CONSTRUCTION

WITH PCS, PROVIDE REQUIRED EQUIPMENT AND ITS MAINTENANCE. THROUGH  
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SPECIAL ACCOUNT IN CENTRAL BANK, COST OF WORK, EQUIPMENT, DEPRECIATION

AND AMORTIZATION CAN BE CALCULATED FOR PURPOSE OF CONTINUING PURCHASES

OF NEW EQUIPMENT. MASSIVE ACQUISITION OF ROAD-BUILDING EQUIPMENT CALLS FOR STANDARDIZATION OF DIFFERENT TYPES OF MACHINERY FOR COST-SAVING REASONS, PROVISION OF SPARE PARTS, AND TRAINING OF DRIVERS AND MECHANICS. PURCHASE OF SUBSTANTIAL QUANTITY OF SPARE PARTS MUST ACCOMPANY PURCHASE OF EQUIPMENT ITSELF.

4. COST AND FINANCING: MINISTRY HAS ESTIMATED TOTAL COST OF EQUIPMENT AND PARTS AT US\$59,049,000. (COMMENT: ACCORDING TO MINISTRY OFFICIAL, THIS ESTIMATE WAS DRAFTED IN JUNE 1974. MINISTRY HAS SINCE REVISED THIS FIGURE UP BY 15 PERCENT) CASH PURCHASES TO BE FINANCED THROUGH 5-YEAR COMMERCIAL BANK LOAN WITH TWO-YEAR GRADE PERIOD.

5. BASIC CONSTRUCTION EQUIPMENT NEEDS AND ESTIMATED COST PER UNIT (CIF US DOLLARS, JUNE 1974):

DESCRIPTION	NO.	UNIT PRICE	SUB-TOTALS
TRACTORS, 200 H.P.	123	94,000	11,562,000
TRACTORS, 140 H.P.	82	73,000	5,986,000
MOTOR GRADERS, 120 H.P.	82	54,000	4,428,000
VIBRATOR ROLLERS (PLAIN OR SHEEPS-FOOT TYPE)	41	45,000	1,845,000
FRONT LOADERS, 2-1/2 CUBIC YARDS	82	65,000	5,330,000
AIR COMPRESSORS, 250 LBS/SQ. CM.	41	16,500	676,500
DUMP TRUCKS, 6 CUBIC YARDS	410	22,000	9,020,000
TRACTOR SCRAPERS, 16 CUBIC YARDS	10	100,000	1,000,000
TOTAL		39,847,500	

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6. GENERAL MAINTENANCE EQUIPMENT:

DESCRIPTION	NO.	UNIT PRICE	SUB-TOTALS
CRAWLER TRACTORS, 140 M.P.	15	73,400	1,095,000
MOTOR GRADERS	25	54,000	1,350,000

FRONT LOADERS, 2-1/2 CUBIC YARDS	16	65,000	1,040,000
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VIBRATOR ROLLERS, 7.4 TONS	8	40,000	320,000
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PNEUMATIC ROLLERS, 5-11 R.	8	19,000	152,000
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TANDEM ROLLERS, 5-8 TONS	8	16,000	128,000
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TRICYCLE ROLLERS, 10-12 TONS	10	18,200	182,000
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TANK TRUCKS, WATER (3,000 GAL)	16	22,500	360,000
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AIR COMPRESSORS, 300/C.M. AND ACCESSORIES	10	20,000	200,000
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DUMP TRUCKS, 6 CUBIC YARDS	100	22,000	2,200,000
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PRIMARY CRUSHERS, 50 X 80	4	120,000	480,000
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SECONDARY CRUSHERS, CONICAL	4	180,000	720,000
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ASPHALT DISTRIBUTOR, 1,500 GAL.	4	34,300	137,200
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AGGREGATE DISTRIBUTOR	2	40,000	80,000
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ASPHALT MIXER, 4 TON/HOUR	8	2,600	20,800
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TRACTOR TRUCK WITH TRAILER, 30 TONS	4	60,000	240,000
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PLATFORM LOADERS, 15 TONS	6	40,000	240,000
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ELECTRIC WELDERS, DIESEL ENGINE UNCLASSIFIED	10	3,000	30,000
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WATER PUMPS	4	2,000	8,000
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CARGO TRUCK, 9 TONS	4	18,000	72,000
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JEEP AND PICKUP TRUCK	40	6,400	256,000
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CONCRETE MIXERS, 16 CUBIC FT., PORTABLE	8	10,000	80,000
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VIBRATORS	8	2,000	16,000
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ELECTRIC GENERATORS, 20 KW	10	8,000	80,000
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WORKSHOP TRUCKS	8	29,000	232,000
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RADIO STATIONS	30	1,500	30,000
SWEEPERS, MOTOR-DRIVEN	3	11,600	34,800
LUBRICATION TRUCKS	8	18,000	144,000
FUEL CARRIERS	8	22,500	180,000
TOTAL	\$	11,334,800	

## 7. ACCESSORY EQUIPMENT:

DESCRIPTION	NO.	UNIT PRICE	SUB-TOTALS
BASIC CRUSHING EQUIPMENT, 30 X 80 C.M.	19	80,000	1,520,000
TRACTOR TRUCK, LOW LOADER	5	60,000	300,000
FLAT TRUCK	5	40,000	200,000
TOTAL:	\$	2,020,000	

## 8. MAINTENANCE AND REPAIR EQUIPMENT FOR URBAN ASPHALT ROADS:

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DESCRIPTION	NO.	UNIT PRICE	SUB-TOTALS
ASPHALT BOILER	6	2,600	15,600
TANDEM ROLLER, 4-6 TONS	6	16,000	96,000
DUMP TRUCKS	12	22,000	264,000
ASPHALT MIXER, 4 TONS/HR.	6	12,000	72,000
TOTAL	\$	447,600	

9. SPARE PART: ESTIMATED AT 10 PERCENT OF TOTAL EQUIPMENT COST OF \$53,649,900, OR \$5,400,000.

10. ACTION REQUESTED: DEPARTMENT PLEASE PASS ABOVE TO FHWA FOR POSSIBLE USE BY OFFICIAL IN PREPARING COST ESTIMATES PRIOR TO QUITO VISIT.  
BREWSTER

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** n/a  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 07 FEB 1975  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
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**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
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**Review Authority:** CunninFX  
**Review Comment:** n/a  
**Review Content Flags:**  
**Review Date:** 30 APR 2003  
**Review Event:**  
**Review Exemptions:** n/a  
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Declassified/Released  
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05 JUL 2006

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**Subject:** ROAD-BUILDING EQUIPMENT REQUIRED BY MINISTRY OF PUBLIC WORKS  
**TAGS:** BEXP, EC  
**To:** STATE  
**Type:** TE  
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